

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Original): A seed comprising at least one set of the chromosomes of maize inbred line PH6ME, representative seed of said line having been deposited under ATCC Accession No. PTA-4529.

Claim 2 (Previously Presented): A maize plant produced by growing the seed of claim 1.

Claim 3 (Original): A maize plant part of the maize plant of claim 2.

Claim 4 (Original): An F1 hybrid maize seed produced by crossing a plant of maize inbred line designated PH6ME, representative seed of said line having been deposited under ATCC Accession No. PTA-4529, with a different maize plant and harvesting the resultant F1 hybrid maize seed, wherein said F1 hybrid maize seed comprises two sets of chromosomes and one set of the chromosomes is the same as maize inbred line PH6ME.

Claim 5 (Original): A maize plant produced by growing the F1 hybrid maize seed of claim 4.

Claim 6 (Original): A maize plant part of the maize plant of claim 5.

Claims 7-10 (Canceled)

Claim 11 (Previously Presented): A maize plant having all the physiological and morphological characteristics of inbred line PH6ME, wherein a sample of the seed of inbred line PH6ME was deposited under ATCC Accession Number PTA-4529.

Claim 12-16 (Canceled)

Claim 17 (Previously Presented): A cell of the maize plant of claim 11.

Claim 18 (Previously Presented): A seed comprising the cell of claim 17.

Claims 19-33 (Canceled)

Claim 34 (Previously Presented): A method for developing a maize plant in a maize plant breeding program comprising introducing a transgene conferring a trait into inbred variety PH6ME, wherein a representative sample of seed of variety PH6ME has been deposited under ATCC Accession No, PTA-4529.

Claim 35 (Canceled)